Title (en)

HEAT-MOLDED CONTAINER AND METHOD FOR MANUFACTURING SAME

Title (de)

WÄRMEGEFORMTER BEHÄLTER UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

RÉCIPIENT MOULÉ THERMIQUEMENT ET SON PROCÉDÉ DE FABRICATION

Publication

EP 3048058 A4 20170531 (EN)

Application

EP 14845250 A 20140917

Priority

- JP 2013196249 A 20130920
- JP 2013196251 A 20130920
- JP 2013196252 A 20130920
- JP 2014074590 W 20140917

Abstract (en)

[origin: EP3048058A1] Provided is a thermoformed container having a superior appearance as a result of inhibition of coloring and generation of defects during the melt molding, having sufficient strength, and further having a self-purge feature in a production process. The thermoformed container includes an EVOH layer (A) containing an ethylene-vinyl alcohol copolymer (I) as a principal component, wherein the EVOH layer (A) contains a carbonyl compound (II), the carbonyl compound (II) is an unsaturated aldehyde (II-1), a saturated aldehyde (II-2), a saturated ketone (II-3) or a combination thereof, and the content of the carbonyl compound (II) in the EVOH layer (A) is 0.01 ppm or greater and 100 ppm or less. The carbonyl compound (II) is preferably an unsaturated aldehyde (II-1), and the unsaturated aldehyde (II-1) is preferably an unsaturated aliphatic aldehyde.

IPC 8 full level

B65D 1/00 (2006.01); **B32B 27/30** (2006.01); **B65D 1/26** (2006.01); **B65D 65/02** (2006.01); **C08K 5/07** (2006.01); **C08K 5/09** (2006.01); **C08K 5/098** (2006.01); **C08L 23/08** (2006.01); **C08L 29/04** (2006.01)

CPC (source: EP US)

B32B 1/00 (2013.01 - EP US); **B32B 15/085** (2013.01 - EP US); **B32B 15/09** (2013.01 - EP US); **B32B 27/08** (2013.01 - EP US); **B32B 27/18** (2013.01 - EP US); **B32B 27/306** (2013.01 - EP US); **B32B 27/32** (2013.01 - EP US); **B32B 27/36** (2013.01 - EP US); **B65D 1/26** (2013.01 - EP US); **C08K 5/07** (2013.01 - EP US); **C08K 5/09** (2013.01 - EP US); **C08K 5/098** (2013.01 - EP US); B32B 2250/05 (2013.01 - EP US); B32B 2250/24 (2013.01 - EP US); B32B 2250/242 (2013.01 - EP US); B32B 2250/40 (2013.01 - EP US); B32B 2270/00 (2013.01 - EP US); B32B 2272/00 (2013.01 - EP US); B32B 2307/7244 (2013.01 - EP US); B32B 2307/732 (2013.01 - EP US); B32B 2307/738 (2013.01 - EP US); B32B 2439/02 (2013.01 - EP US); B32B 2439/06 (2013.01 - EP US); B32B 2439/40 (2013.01 - EP US); B32B 2439/60 (2013.01 - EP US); B32B 2439/70 (2013.01 - EP US); B32B 2439/80 (2013.01 - EP US)

C-Set (source: EP US)

1. **C08K 5/07** + **C08L 29/04**
2. **C08K 5/09** + **C08L 29/04**
3. **C08K 5/098** + **C08L 29/04**

Citation (search report)

- [A] US 5972447 A 19991026 - HATA NOBUHIRO [JP], et al
- [A] US 2005032955 A1 20050210 - NAKANO KENJI [JP], et al
- See also references of WO 2015041258A1

Cited by

EP3053840A4; EP3053959A4; EP3053958A4; US10207482B2; US9994698B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3048058 A1 20160727; **EP 3048058 A4 20170531**; **EP 3048058 B1 20220427**; CN 105722760 A 20160629; CN 105722760 B 20171215; US 10287416 B2 20190514; US 2016229987 A1 20160811; WO 2015041258 A1 20150326

DOCDB simple family (application)

EP 14845250 A 20140917; CN 201480063218 A 20140917; JP 2014074590 W 20140917; US 201415023238 A 20140917